

ABSTRACT OF THE DISCLOSURE

A compressor assembly including a compression mechanism, a motor including rotor and a laminated stator and a shaft is provided. The shaft is operably coupled to the compression mechanism and the rotor. The shaft extends outwardly from the motor opposite the compression mechanism. A bearing support has a central body that rotatably supports an end of the shaft. The bearing support also includes an outer ring and a support structure connecting the outer ring and central body. The outer ring has a plurality of circumferentially distributed bearing surfaces separated by recesses and bears against the laminated stator. Deformations in the laminations of the stator are received in the recesses in the outer ring. A method of supporting a shaft in a compressor wherein a bearing support member bears against a laminated stator and a stator lamination deformingly protrudes into a recess on the bearing support is also provided.